

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L19	91	"347"/\$.ccls. and ( ((Plunger or piston) near2 (accelerat\$4 or velocity or speed) ) WITH ((Plunger or piston) near2 (decelerat\$4 or velocity or speed) ) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 13:40
L20	74	"347"/\$.ccls. and ( ((Plunger or piston) near2 (accelerat\$4 or velocity or speed) ) WITH ((Plunger or piston) near2 (decelerat\$4 or velocity or speed) ) ) AND ( (control\$3 or driv \$3) near3 (graph or signal or waveform or voltage) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 13:40
L21	0	"347"/\$.ccls. and ( ((Plunger or piston) near2 (accelerat\$4 or velocity or speed) ) WITH ((Plunger or piston) near2 (decelerat\$4 or velocity or speed) ) ) WITH ( (control\$3 or driv \$3) near3 (graph or signal or waveform or voltage) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 13:41

L23	4085	( ((Plunger or piston) near2 (accelerat\$4 or velocity or speed) ) WITH ((Plunger or piston) near2 (decelerat\$4 or velocity or speed) ) ) AND ( (control\$3 or driv \$3) near3 (graph or signal or waveform or voltage) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 14:00
L24	832	( ((Plunger or piston) near2 (accelerat\$4 or velocity or speed) ) WITH ((Plunger or piston) near2 (decelerat\$4 or velocity or speed) ) ) SAME ( (control\$3 or driv \$3) near3 (graph or signal or waveform or voltage) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 14:00
L25	355	( ((Plunger or piston) near2 (accelerat\$4 or velocity or speed) ) WITH ((Plunger or piston) near2 (decelerat\$4 or velocity or speed) ) ) with ( (control\$3 or driv \$3) near3 (graph or signal or waveform or voltage) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 14:00

L26	26	((Plunger or piston) near2 (accelerat\$4 or velocity or speed) ) WITH ((Plunger or piston) near2 (decelerat\$4 or velocity or speed) ) ) with ( (control\$3 or driv \$3) near3 (graph or signal or waveform or voltage) )and ((eject\$3 or discharg\$3)near2 (fluid or ink or liquid))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 14:02
L32	1	"347"/\$\$.ccls. and ( ((Plunger or piston) with (accelerat\$4 and decelerat\$4)) and (control\$3 or driv \$3) near3 (graph or signal or waveform or voltage) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 14:53
L33	10	"347"/\$\$.ccls. and ( ((Plunger or piston) with (accelerat\$4 and decelerat\$4)) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/08/15 14:54
S12	1704	347/9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 17:49
S13	1000	347/9.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 17:49

S14	255	347/9 and (Plunger or piston or pump)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 17:50
S15	2	347/9 and ((Plunger or piston or pump) NEAR2 (Acceleration or deceleration or accelerat\$4 or decelerat\$4 or speed or velocity))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 18:28
S18	207	"347"/\$\$\$ and ((Plunger or piston or pump) NEAR2 (Acceleration or deceleration or accelerat\$4 or decelerat\$4 or speed or velocity))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 18:29
S19	207	"347"/\$\$\$ and ((Plunger or piston or pump) NEAR2 (Acceleration or deceleration or accelerat\$4 or decelerat\$4 or speed or velocity))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 19:10
S20	63	"347"/\$\$\$ and ((Plunger or piston or pump) NEAR2 (Acceleration or deceleration or accelerat\$4 or decelerat\$4 ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 18:29
S22	1240	"222"/\$\$\$ and ((Plunger or piston or pump) NEAR2 (Acceleration or deceleration or accelerat\$4 or decelerat\$4 or speed or velocity))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 19:11

S23	107	"222"/\$\$\$ and ((Plunger or piston or pump) NEAR(Acceleration or deceleration or accelerat\$4 or decelerat\$4 ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 19:11
S24	76	"222"/\$\$\$ and ((Plunger or piston )NEAR (Acceleration or deceleration or accelerat\$4 or decelerat\$4 ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/20 19:12
S28	1068	347/20.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/20 17:14
S30	10	"347"/\$\$\$ccls. and ( (Plunger or piston or pump) near2 ( (seal\$3 adj (rib or ring)) or gasket\$3 ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/20 17:15
S31	57	"347"/\$\$\$ccls. and ( (Plunger or piston or pump) with ( (seal\$3 adj (rib or ring)) or gasket\$3 ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/20 17:15
S33	1	S31 and ( (Plunger or piston or pump) near2 ( (air or gas or bubble )adj (remov\$4 or exhaust\$3 or vent or hole or groove or slit or entrap\$4 or trap or trapp \$3)) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/20 17:23
S34	1830	"222"/\$\$\$ccls. and ( (Plunger or piston or pump) with ( (seal\$3 adj (rib or ring)) or gasket\$3 ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/20 17:26

S35	54	S34 and ( ( metering or calibrat\$3 or graduat\$4) near (tube or cylinder or pipe or canal or conduit or duct or channel ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/20 17:27
S39	499	"141"/\$\$\$\$.ccls. and ( ( Plunger or piston or pump) with ( ( seal\$3 adj (rib or ring)) or gasket\$3 ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/20 17:34
S40	10	S39 and ( ( metering or calibrat\$3 or graduat\$4) near (tube or cylinder or pipe or canal or conduit or duct or channel ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/20 17:34
S42	4	S39 and ( ( Plunger or piston or pump) near2 ( ( air or gas or bubble )adj (remov\$4 or exhaust\$3 or vent or hole or groove or slit or entrap\$4 or trap or trapp \$3)) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/20 17:46
S43	34236	( ( Plunger or piston or pump) with ( ( seal\$3 adj (rib or ring)) or gasket\$3 ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/20 17:53

S44	324	( (Plunger or piston or pump) with ( (seal\$3 adj (rib or ring)) or gasket\$3 ))and ( (metering or calibrat\$3 or graduat\$4 or scal \$3) near (tube or cylinder or pipe or canal or conduit or duct or channel ))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/20 17:53
S46	64	( (Plunger or piston or pump) with ( (seal\$3 adj (rib or ring)) or gasket\$3 ))and ( (metering or calibrat\$3 or graduat\$4 or scal \$3) near3 (tube or cylinder or pipe or canal or conduit or duct or channel ))and ( (Plunger or piston or pump) with ( (air or gas or bubble )adj (remov\$4 or exhaust\$3 or vent or hole or groove or slit or entrap\$4 or trap or trapp \$3)) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/20 17:56
S47	1239	( (Plunger or piston or pump) with ( (seal\$3 adj (rib or ring)) or gasket\$3 ))and ( (Plunger or piston or pump) with ( (air or gas or bubble )adj (remov\$4 or exhaust\$3 or vent or hole or groove or slit or entrap\$4 or trap or trapp \$3)) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/21 09:34

S48	7	( (Plunger or piston or pump) near ( (seal\$3 adj (rib or ring)) or gasket\$3 ))and ( (Plunger or piston or pump) near ( (air or gas or bubble )adj (remov\$4 or exhaust\$3 or vent or hole or groove or slit or entrap\$4 or trap or trapp \$3)) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/21 09:35
S49	189	( (Plunger or piston or pump) near3 ( (seal\$3 adj (rib or ring)) or gasket\$3 ))and ( (Plunger or piston or pump) near3 ( (air or gas or bubble )adj (remov\$4 or exhaust\$3 or vent or hole or groove or slit or entrap\$4 or trap or trapp \$3)) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/21 09:35
S50	88	( (Plunger or piston or pump) near2 ( (seal\$3 adj (rib or ring)) or gasket\$3 ))and ( (Plunger or piston or pump) near2 ( (air or gas or bubble )adj (remov\$4 or exhaust\$3 or vent or hole or groove or slit or entrap\$4 or trap or trapp \$3)) )	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/21 09:36
S58	308	(conduct\$4) with (conduct\$4 adj tape) with (conduct\$4 adj (paste or adhesive))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/21 13:27

S59	84	((conduct\$4) with (conduct\$4 adj tape) with (conduct\$4 adj (paste or adhesive))with connect\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/21 13:29
S60	47	((conduct\$4) with (conduct\$4 adj tape) with (conduct\$4 adj (paste or adhesive))with connect\$4)and substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/21 13:29
S61	12	((conduct\$4) with (conduct\$4 adj tape) with (conduct\$4 adj (paste or adhesive))with connect\$4)with substrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/03/21 13:29

8/ 15/ 2008 3:56:49 PM

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\ No\_33\_App10565504 \_ Method of asjusting droplets (discharging using PLUNGER  
accelerating and decelerating) .wsp